



Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/643,401
	Filing Date	AUGUST 19, 2003
	First Named Inventor	RAYMOND G. FREULER, ET AL.
	Group Art Unit	1772
	Examiner Name	BRIAN P. EGAN
Total Number of Pages in This Submission	Attorney Docket Number	POWRD-015C

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	IDS Cover Letter; EFS
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	Acknowledgment; PTO/SB/08A with 3 References; PTO/SB/08B with 9 References; Cert. Mailing; Return Postcard..
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	MATTHEW A. NEWBOLES STETINA BRUNDA GARRED & BRUCKER
Signature	
Date	11/19/03

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 11-19-03	
Typed or printed name	LINDA JOHNSON
Signature	
Date	11-19-03

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Application No.: 10/643,401
Attorney Docket: POWRD-015C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	RAYMOND FREULER)	Confirmation No.	3992
)		
Serial No.:	10/643,401)	Art Unit:	1772
)		
Filed:	AUGUST 19, 2003)	Examiner:	B.P. EGAN
)		
For:	PREAPPLIABLE PHASE)		
	<u>CHANGE THERMAL INTERFACE PAD</u>)		

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. SECTION 1.97**

MAIL STOP DD
Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97, the following Information Disclosure Statement is submitted as listed on form PTO/SB/08A and 08B enclosed herewith in duplicate. Copies of all disclosure documents are attached hereto for the Examiner's review. Please note that this is filed concurrently with one or more additional Information Disclosure Statements which were filed electronically on today's date. Attached are the Acknowledgement Receipts: reference EFS ID 50919.

No representation is made that the references disclosed herein legally constitute prior art, or that more relevant references are not available. The disclosure documents enclosed herewith and listed on the attached form (PTO/SB/08A and 08B) are printed in the English language and/or accompanied by and Abstract published in the English language.

The references listed herein, when taken alone or in combination, are not believed to disclose nor make obvious the invention as claimed in the subject application.

As these Information Disclosure Statements are being submitted before the stipulated three months from the filing date of the application and/or before the mailing of a first Office Action, it is believed that no fee is required. If any additional fee is required, please charge Account Number 19-4330.

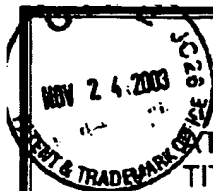
Respectfully submitted,

Date: 11/19/03

By: 

Customer No.: 007663

Matthew A. Newboles
Registration No. 36,224
STETINA BRUNDA GARRED & BRUCKER
75 Enterprise, Suite 250
Aliso Viejo, California 92656
Telephone: (949) 855-1246



ATTORNEY DOCKET NO: POWRD-015C
TITLE: PREAPPLIABLE PHASE CHANGE THERMAL INTERFACE PAD
SERIAL NO.:10/643,401 FILING DATE: AUGUST 19, 2003

Certificate of Mailing under 37 CFR 1.8 or 37 CFR 1.10

☒ I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

MAIL STOP DD
COMMISSIONER FOR PATENTS
P. O. 1450
ALEXANDRIA, VA 22313-1450

☐ I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, Express Mail addressed to:

MAIL STOP PATENT APPLICATION
COMMISSIONER FOR PATENTS
P. O. 1450
ALEXANDRIA, VA 22313-1450

on November 19, 2003

(Signature)

LINDA JOHNSON

(Typed name of person signing certificate)

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

1. TRANSMITTAL;
2. IDS COVER LETTER;
3. EFS ACKNOWLEDGEMENT RECEIPT;
4. PTO/SB/08A WITH 3 REFERENCES;
5. PTO/SB/08B WITH 9 REFERENCES;
6. CERTIFICATE OF MAILING; AND
7. RETURN RECEIPT POSTCARD.

UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of
Invention

PREAPPLIABLE PHASE CHANGE THERMAL INTERFACE PAD

Submission Type: Information Disclosure Statement

Application Number: 10/643401

*10/643401

EFS ID: 50919

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	3992
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: RAYMOND FREULER

Attorney Docket Number: POWRD-015C

Timestamp: 2003-11-19 16:43:35 EDT

From: us

File Listing:

Doc. Name	File Name	Size (Bytes)
us-ids	IDS-usidst.xml	628:
us-ids	us-ids.dtd	776:
us-ids	us-ids.xsl	1202:
package-data	IDS-pkda.xml	187
package-data	package-data.dtd	2702:
package-data	us-package-data.xsl	1926:
Total files size		7423:

Message Digest: a63c0166af95c55d4978533e8cd21d5735dc2bb5

Digital Certificate Holder cn=Matthew A. Newboles,ou=Registered

Name:

Attorneys,ou=Patent and Trademark

Office,ou=Department of Commerce,o=U.S.

Government,c=US

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitution for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/643,401
				Filing Date	08/19/2003
				First Named Inventor	RAYMOND FREULER
				Art Unit	1772
				Examiner Name	B.P. EGAN
				Attorney Docket Number	POWRD-015C
Sheet	1	of	1		

[illegible][illegible]

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



Substitute for form 1449B/PTO		C mplete if Known	
		Application Number	10/643,401
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	08/19/2003
		First Named Inventor	RAYMOND FREULER
		Group Art Unit	1772
		Examiner Name	B.P. EGAN
		Attorney Docket Number	POWRD-015C
Sheet	1	of	0

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		POWER DEVICES, INC.; "Kapton MT Substrate Coated with High Performance Thermal Compound in Easy-to-Use Form"; MCM-Strate; 1996	
		POWER DEVICES, INC.; "Low Thermal Resistance and Excellent Electrical Insulation in One Clean, Reliable System"; ISOSTRATE; (Not Dated).	
		POWER DEVICES, INC.; "Adhesive-backed Aluminum Substrate with High Performance Thermal Compound in Easy-to-Use Form; MCM-STRATE; 1996	
		POWER DEVICES, INC.; "The Cost-Effective Solution to Thermal Interface Problems - Clean, Dry and Easy to Use"; THERMSTRATE; (Not Dated).	
		CHOMERICS; "THERMATTACH 404 AND 405 Thermally Conductive Adhesive Tapes"; CHO-THERM Thermal Interface Materials; Technical Bulletin 72; 1993	
		CHOMERICS; "THERMATTACH T413 AND T414 Thermally Conductive Adhesive Tapes"; Preliminary Product Data Sheet; 1994	
		CHOMERICS; "THERMFLOW T705 and T710 Low Thermal Resistance Interface Pads"; CHO-THERM Thermal Interface Material; Technical Bulletin 77; 1997	
		THE BERGQUIST COMPANY; "SIL-PAD Design Guided"; Spring 1993	
		Print out from www.dupont.com website: "Thermal Properties of Elvax Measured by Differential Scanning Calorimeter (DSC)"; 1997	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.